

DART SERVICE INSTRUCTION

TO AMEND IIN-D139-799 REV. G AND ICA-D139-799 REV. 6

REF. FAA STC: SR02138SE

REF. EASA STC: 10038656

PURPOSE

Agusta AW139 aircraft with 3G5230A02431/3G5230A02531 cargo door hinges installed may require the installation of an additional shim when installing the D4631-1/-2 Striker plates as part of the D139-799-013 Cargo Door Fwd Opening Kit per Section 3.2.2.10 of IIN-D139-799. The purpose of this Dart DSI is to provide the necessary hardware and instructions for the installation of the shim.

PROCEDURE

1. After removing the existing door hinges and the existing 3G5230A02651 shim, position the D4761-1 shim block against the airframe on the inside of the door in the same location as the removed 3G5230A02651 shim as shown in Figure 1 and transfer drill 4x $\varnothing 0.201$ holes from the airframe to the shim block.
2. Position the D4632-1/-2 striker plate, centered between the newly drilled holes so that it will align with the D2586 latch.
3. Mark the position of the D4632-1/-2 striker plate on the D4761-1 shim block.
4. Remove the D4632-1/-2 striker plate and D4761-1 shim block from the aircraft and drill and countersink 4x $\varnothing 0.201$ holes as shown in Figure 2.
5. Deburr and touch up holes with MIL-P-85582 or MIL-P23377 primer.
6. Install D4632-1/-2 striker plate onto D4761-1 shim block using AN507-1032R12 screws, NAS1149D0332J washers and MS21042L3 nuts.
7. Install shim block striker plate assembly onto aircraft using AN507-1032R15 screws, NAS1149D0332J washers and MS21042L3 nuts.
8. Complete the D139-799-013 installation per Sections 3.2.2.11 thru 3.2.2.16 of IIN-139-799.

PART LIST

Note: For customers who already have D139-799-013 at CHG 005 and earlier, procure the DSI 9641-011 kit from Dart. Each DSI 9641-011 Kit provides parts to retrofit 1 x D139-799-013 Kit. These parts have been added to D139-799-013 @ CHG 006 and subsequent.

QTY. -011	PART NUMBER	DESCRIPTION
X	DSI 9641-011	CARGO DOOR SHIM MOD KIT
1	D4761-1	SHIM BLOCK
4	AN507-1032R12	SCREW
4	AN507-1032R15	SCREW
8	NAS1149D0332J	WASHER
8	MS21042L3	NUT

WEIGHT & BALANCE

This DSI has a negligible effect on Weight & Balance

A	NEW ISSUE	RF	13.01.08
REV.	DESCRIPTION	BY	DATE
DESIGN	RF	DART AEROSPACE USA, INC. KENT, WA	
DRAWN	RF		
CHECKED	<i>JS</i>	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9641	SHEET 1 OF 3
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	CARGO DOOR SHIM MOD	NTS
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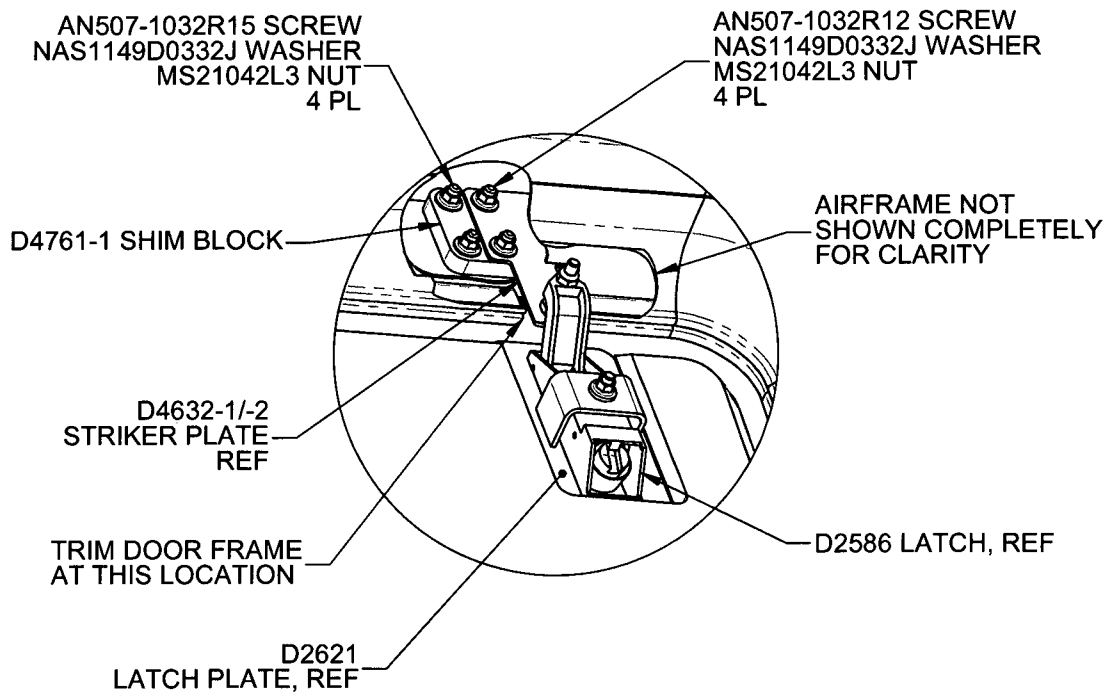


FIGURE 1 - D4632-1/-2 STRIKER PLATE WITH D4761-1 SHIM BLOCK INSTALLATION

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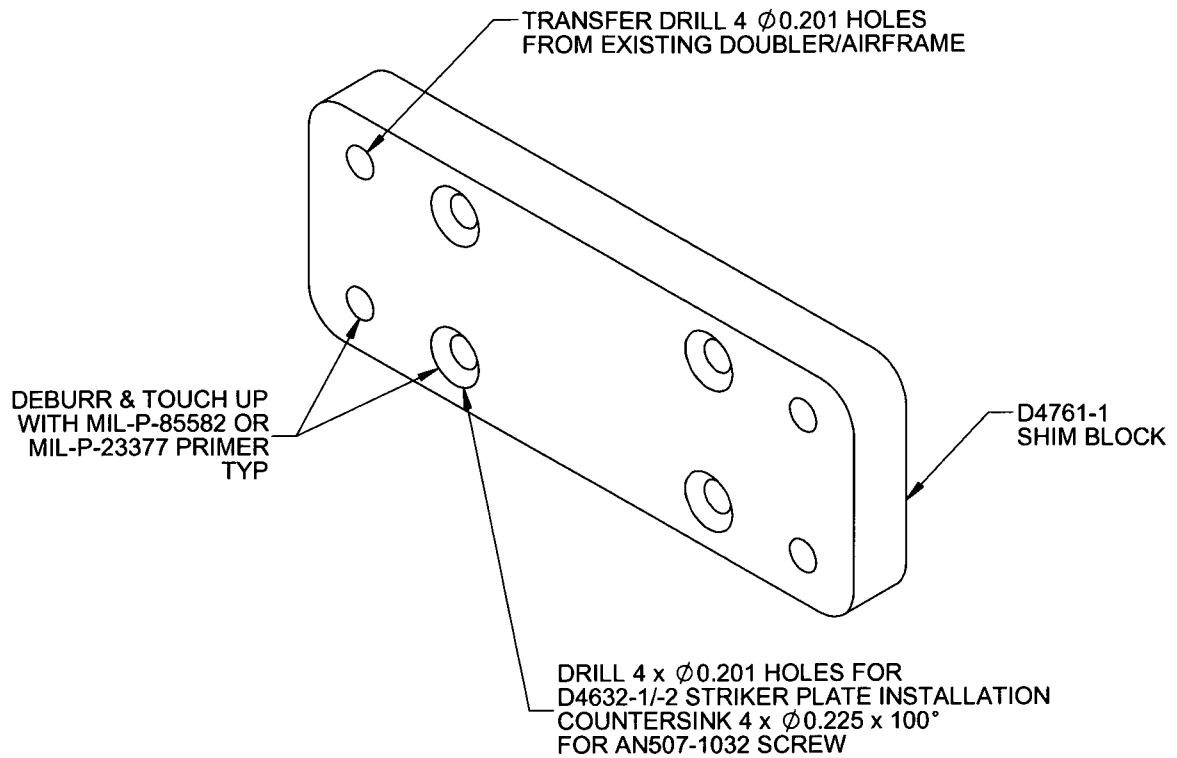


FIGURE 2 - D4761-1 SHIM BLOCK - DRILLING DETAIL

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